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Title: **JP4206366A2: FLAT BATTERY**

Country: **JP** Japan
Kind: **A**

Inventor: **NAKAI KENJI;**
**HIGASHIMOTO KOJI;**
**HIRONAKA KENSUKE;**
**HAYAKAWA TAKUMI;**
**KOMAKI AKIO;**
**NAKANAGA TAKEFUMI;**
**TANIGUCHI MASATOSHI;**

Assignee: **SHIN KOBE ELECTRIC MACH CO LTD**
**OTSUKA CHEM CO LTD**
News, Profiles, Stocks and More about this company

Published / Filed: **1992-07-28** / 1990-11-30

Application Number: **JP1990000333743**

IPC Code: **H01M 10/40;** H01M 4/02;

Priority Number: 1990-11-30 **JP1990000333743**

Abstract:

PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.

CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented.

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Family: None

Other Abstract None

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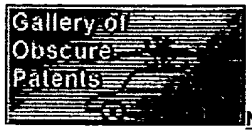


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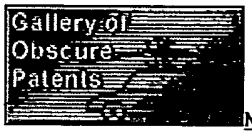


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(19) (11) Publication number: **04**

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# PATENT ABSTRACTS OF JAPAN

(21) Application number: **02333743**

(22) Application date: **30.11.90**

(51) Intl. Cl.: **H01M 10/40** H01M 4/02

(30) Priority:

(43) Date of application publication: **28.07.92**

(84) Designated contracting states:

(71) Applicant: **SHIN KOBE ELECTRIC LTD**
**OTSUKA CHEM CO LT**

(72) Inventor: **NAKAI KENJI**
**HIGASHIMOTO KOJI**
**HIRONAKA KENSUKE**
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**KOMAKI AKIO**
**NAKANAGA TAKEFUM**
**TANIGUCHI MASATOSH**

(74) Representative:

## (54) FLAT BATTERY

(57) Abstract:

PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.

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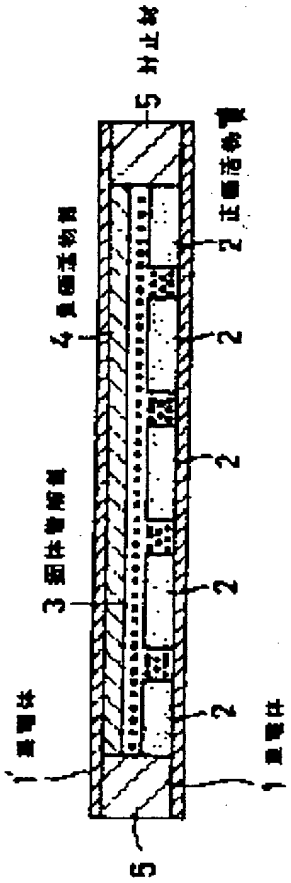

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